

### **DETAILED ACTION**

1. Claims 1-3, 5, 8-31, 46-49, and 51-58 are allowed. These claims have been renumbered as claims 1-40.

### ***Drawings***

2. The drawings filed on March 17, 2004 are accepted by the Examiner.

### ***EXAMINER'S AMENDMENT***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Robert Hirning on March 10, 2009.

4. Claims 1, 5, 8, 11, 26, 27, 30, 46, 47, and 51 have been amended and claims 4, 6, 7, 32-45 and 50 have been cancelled as follows:

1. (Currently Amended) A database communication network comprising:

a first database system, comprising:

a first database; and

a first server configured to receive first information from the first database

and transmit the first information out of the first database system;

a first translation component operating on the first server, comprising:  
a first dictionary component comprising format information for any  
database system in communication with the first database system; and a first translator  
component configured to utilize format information from the first dictionary component  
and translate the first information into a format compatible with any database system in  
communication with the first database system;

a second database system in communication with the first database system; and  
an identification system in communication with each of the first and second  
database systems, the identification system configured to assign unique identification to  
data stored within each of the first and second database systems;

wherein the first database system, second database system, and identification  
system are configured to support direct and indirect communication with each other.

4. (Cancelled)

5. (Currently Amended) The database communication network of claim [4] 1,  
wherein the first server comprises a first communication component configured to  
identify a database system in communication with the first database system to receive  
the first information.

6-7. (Cancelled)

8. (Currently Amended) The database communication network of claim [4] 1, further comprising a first matching component in communication with the first database, the first matching component configured to receive information regarding an expected first transaction and compare the information regarding the expected first transaction with information regarding an actual first transaction at the first database.

11. (Currently Amended) The database communication network of claim [4] 1, wherein the second database system comprises:

- a second database; and

- a second server configured to receive second information from the second database and transmit the second information out of the second database system.

26. (Currently Amended) The database communication network of claim [4] 1, wherein the first database system further comprises:

- a first transmission tracker file in communication with the first server, the first transmission tracker file configured to receive the first information that could not be transmitted out of the first database system; and

- a first transmission time tracking component in communication with the first transmission tracker file, the first transmission time tracking component configured to track a period of time that the first information could not be transmitted, the time tracking component further configured to transmit a message to an administrator after a predefined period of time.

27. (Currently Amended) The database communication network of claim [4] 1, wherein the first database system further comprises:

a first application tracker file in communication with the first server, the first application tracker file configured to receive information that could not be applied to the first database; and

a first application time tracking component in communication with the first application tracker file, the first application time tracking component configured to track a period of time that the information could not be applied, the time tracking component further configured to transmit a message to an administrator after a predefined period of time.

30. (Currently Amended) A database system comprising:

a database;

a server configured to receive information from the database and transmit the information out of the database;

a translation component operating on the server, comprising:

a dictionary component comprising format information for any database in communication with the database system;

a translator component configured to utilize the format information from the dictionary component and translate the information from the database into a format compatible with any database in communication with the database system;

and

a matching component in communication with the database, the matching component configured to receive information regarding an expected transaction and compare the information regarding the expected transaction with information regarding an actual transaction at the database;

wherein direct or indirect communication occurs between the database and matching component.

32-45. (Cancelled)

46. (Currently Amended) A database communication network comprising:

a first database system comprising:

a first database configured to receive data; and

a first server comprising a first communication component configured upon receipt of data into the first database to identify a database system in communication with the first database system<sub>1</sub> to receive first information<sub>1</sub> and to transmit the first information out of the first database;

a first translation component operating on the first server, comprising:

a first dictionary component comprising format information for database systems in communication with the first database system; and

a first translator component configured to utilize format information from the first dictionary component and translate the first information into a format compatible with database systems in communication with the first database system;

a second database system in communication with the first database system, the second database system comprising:

a second database configured to receive data; and

a second server comprising a second communication component configured upon receipt of data into the second database to identify a database system in communication with the second database system, to receive second information, and to transmit the second information out of the second database;

a second translation component operating on the second server, comprising:

a second dictionary component comprising format information for database systems in communication with the second database system; and

a second translator component configured to utilize format information from the second dictionary component and translate the second information into a format compatible with database systems in communication with the second database system; and

an identification system in communication with each of the first and second database systems, the identification system configured to assign unique identification to data stored within each of the first and second database systems;

wherein the first database system, second database system, and identification system are configured to support direct and indirect communication with each other.

47. (Currently Amended) A communication network comprising:
- at least two database systems, each of the at least two database systems comprising:
- a database;
  - a server associated with the database, the server comprising a communication component configured to receive outgoing information from the database, identify at least one of the at least two database systems to receive the outgoing information, and transmit the outgoing information to the at least one of the at least two database systems;
- a translation component operating on the server, comprising:
- a dictionary component comprising format information for each of the at least two database systems in communication with the database; and
  - a translator component configured to utilize format information from the dictionary component and translate the information from the database into a format compatible with each of the at least two database systems in communication with the database; and
- a connection component in communication with the database; and
  - at least one external system, each of the at least one external systems in communication with the connection component of one of the at least two database systems;

wherein the at least two database systems are configured to support direct and indirect communication with each other.

50. (Cancelled)

51. (Currently Amended) A method of network-based communication comprising:

automatically transmitting information out of a first database with assistance from a first transmission component within the first database upon input of data into the first database;

providing a dictionary component comprising format information for a second database in communication with the first database;

providing a translator component configured to utilize the format information from the dictionary component and translate the information transmitted out of the first database into a format compatible with the second database;

adding time information to the information; and

transmitting the information to [a] the second database via direct or indirect communication to the second database.



### **REASONS FOR ALLOWANCE**

5. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not render obvious to one ordinarily skilled in the art at the time of applicant's invention nor anticipate the combination of claimed elements including "a first translation component operating on the first server" and "a first dictionary component comprising format information for any database system in communication with the first database system; and a first translator component configured to utilize format information from the first dictionary component and translate the first information into a format compatible with any database system in communication with the first database system" as recited in independent claim 1 and similarly recited in independent claims 30, 46, 47, and 51.

The remaining claims are dependent claims, thus these claims are patently distinct over the art of record for at least the above reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Name of Contact***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl Lewis whose telephone number is (571) 272-

4113. The examiner can normally be reached on 6:30-3:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

(571) 273-4113 (Use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper/amendment be faxed directly to them on occasions.).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/ Technology Center (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Cheryl Lewis/  
Primary Examiner, Art Unit 2167  
March 11, 2009

